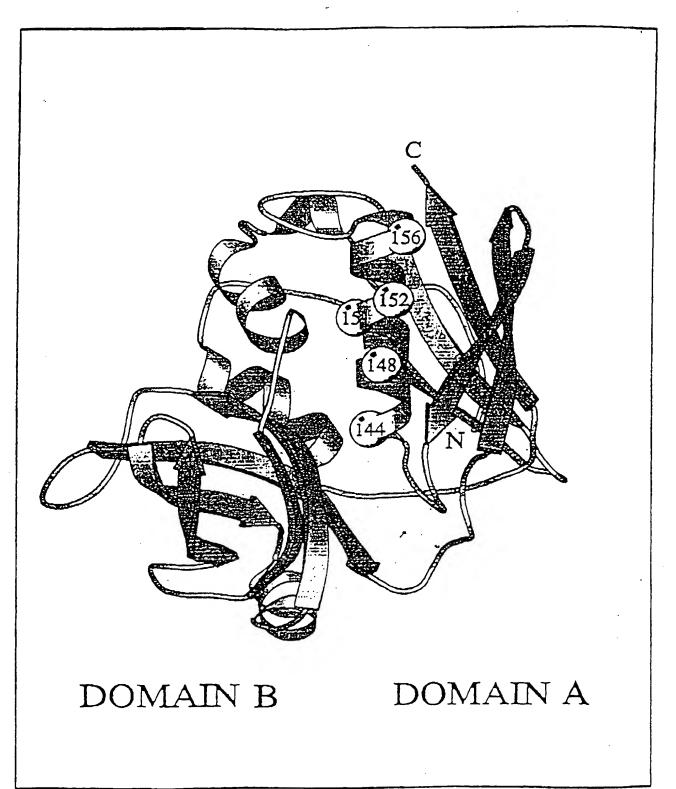


FIGURE 1



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TCATGTTTGACAGCTTATGATGGATAAGCTTACTTTTGGAATCAGGTCTATCCTTGAAACAGGTGCAACATAGATTAGGGGAGATTTACCAGACAA 188 CTATGAACGTATATACTCACATCACGCAATCGGCAATTGATGACATTGGAACTAAATTCAATGAATTTGTTACTAACAAGCAACTAGATTGACAACTAAT 200 GGTTTTTTTTTTTTGTCTTGTTCATGAGTTACCATAACTTTCTATATTATTGACAACTAAATTGACAACTCTTCAATTATTTTTCTGTCTACTCAAAGTT 400 TTOTTCATTTGATATAGTOTAATTCCACCATCACTTCTTCCACTCTCTACCGTCACAACTTCATCATCTCTCACTTTTTCGTGTGGTAACACATAATC 500 AAATATOTTTUOGTTTTTACGCACTATGGCTACTGTCACGTAAAATATACCCGTTATCAATGGCTTGTTTAAACTCATCTATATAACATATTTCLT 800 TOGAGGAATATTA ATG GÃA AÃC AÃT AÃA AÃA GTA TTG AÃG AÃA ATG GTA TTT TTT GTT TTA GTG ACA TTT CTT GGA CTA T I S O E VY THE GET CAA CAA GAC CCC GAT CEA AGE CAA CTT CAC AGA TET AGT TTA GTT AAA AAC CTT 20 TO THE TAT GAG GAT GAG COT GTT ACT CAG GAG AAT GTG AAA TOY STT GAT CAA CTT TEA TOT CAG SÃO THÀ ATR TẬT LẬT GTT TỐN GỐC CÓN MẬT TẬT GẬT MÀN TTR ANN MỘT GẦN CỐT MÁG MÁC CỦA GẮC MH GÁ THÀ THÀ 150 TO THE STATE OF THE STATE AND CAR CTA TAT ACT AND GGA COT TOT AND TAT GAN ACT GGA TAT ATA AND THE STOSTAATGSTGCAAAATTTTAAATGTTGGATTTTTGTATTTGTCTATTGTATTTGATGGGTAATGSGATTTTTTSGACAGACATSGTCGTGCACGTSTAACK 1750 :CAAAATCATAGACAGGAGCTTGTAGCTTAGCAACTATTTTATCGTC 3:

._ FIGURE 3

Figure 4

noanan nahing

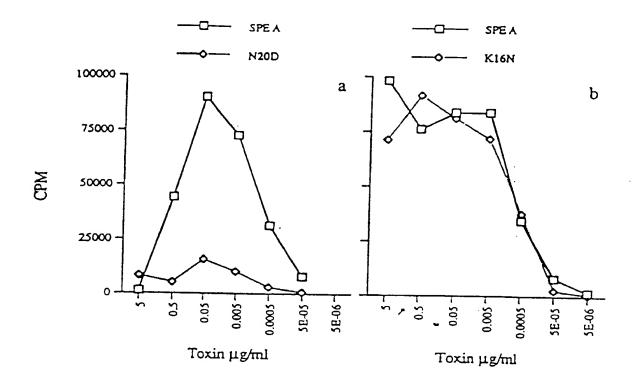




Figure 5

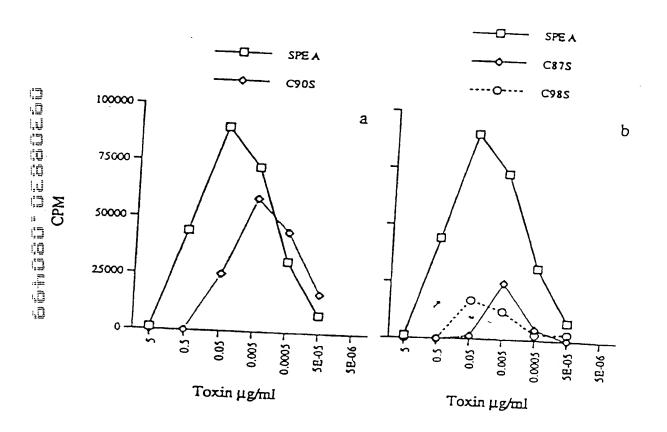


Figure 6

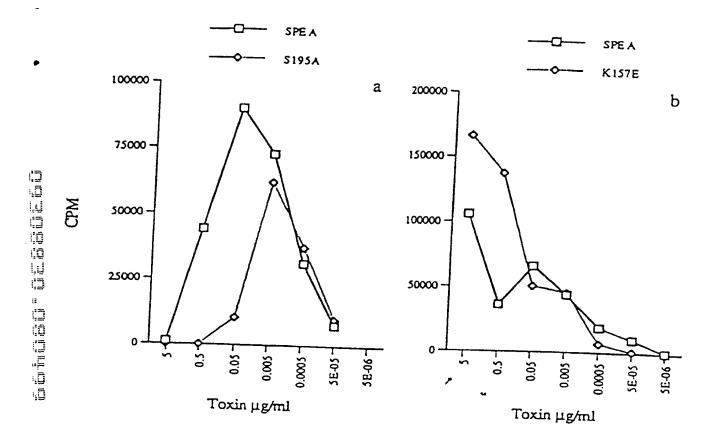
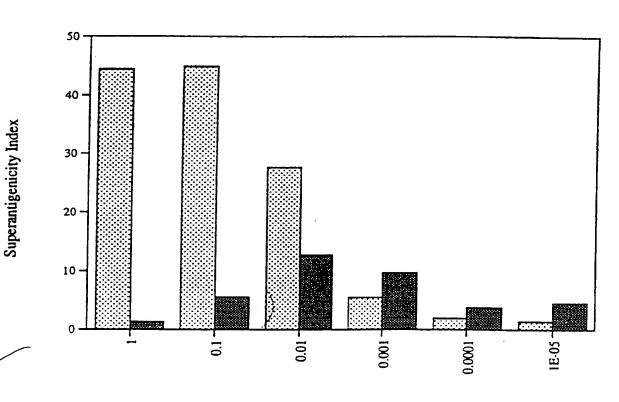


Figure 7

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Superantigenicity Index of SPE A vs. SPEA K157E



Toxin Concentration (ug/well)

SPE A

K157E

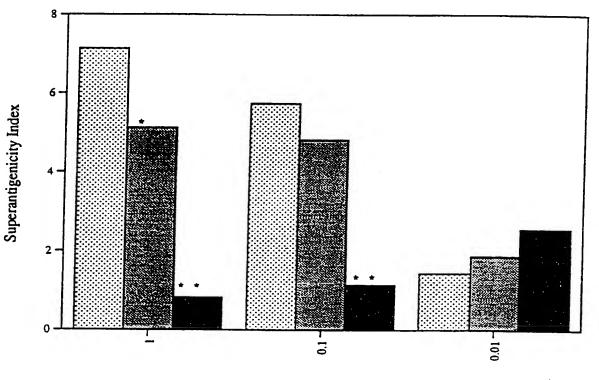


Figur 8

B

<u>roznasa, cestros</u>

Superantigenicity Index of Mutants of SPE A



Toxin Concentration (ug/well)

- № N20D
- N20D/K157E
- N20D/C98S
- * Significantly different from N20D, p<0.01
- Significantly different from N20D p<0.001 at 1ug, p<0.001 at 0.1 ug</p>

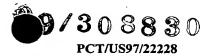
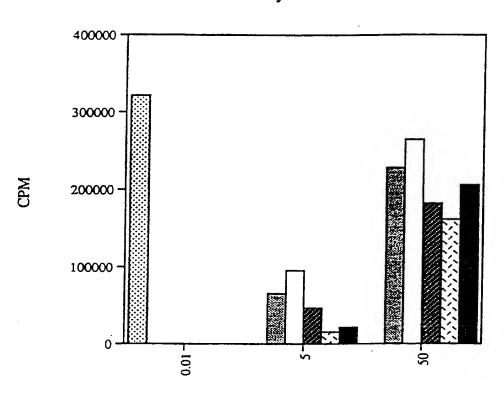


Fig 9

SPE A Inhibition by Immunized Rabbit Sera



Dilution

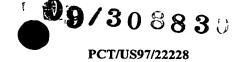
- SPE A, 0.01ug
- xSPEA + SPE A
- ☐ NRS + SPE A
- xN20D + SPE A
- xN20D/C98S + SPE A
- xN20D/K157E + SPE A

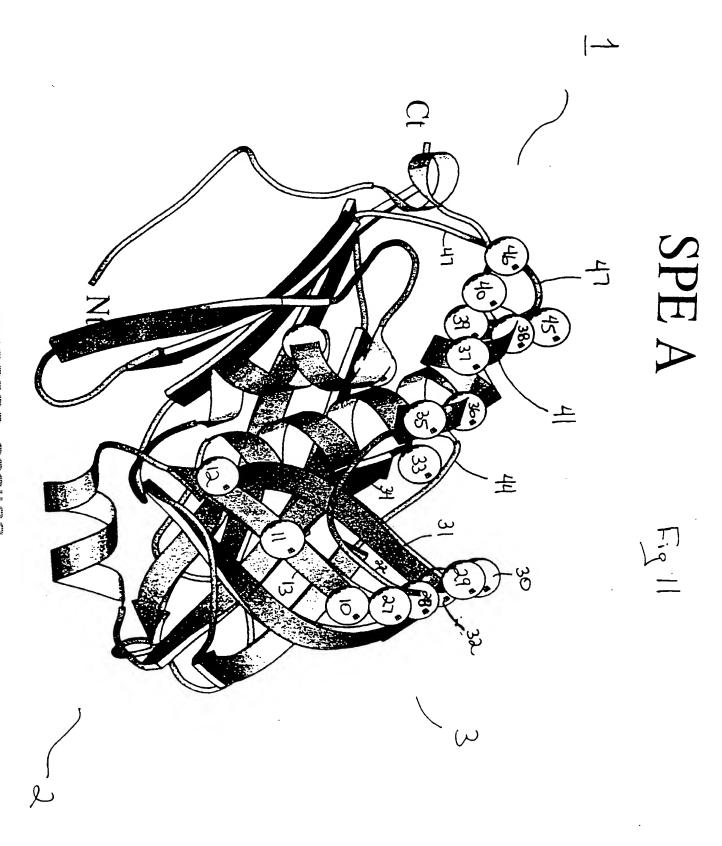


SPE A

26

F: 10

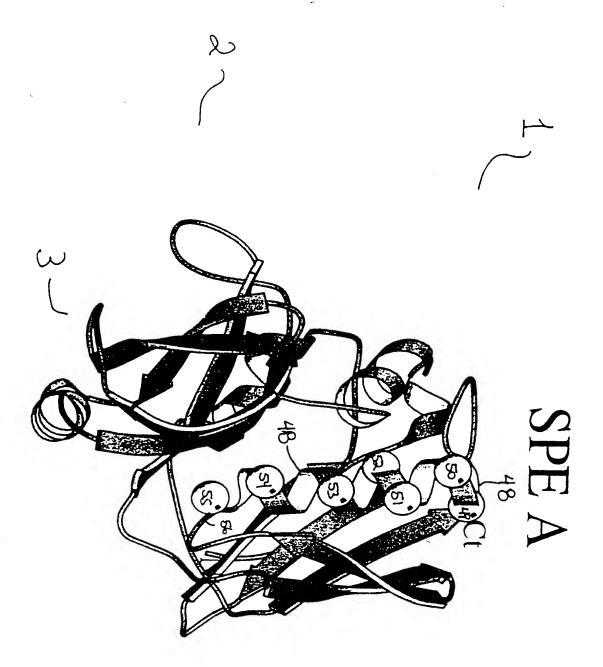


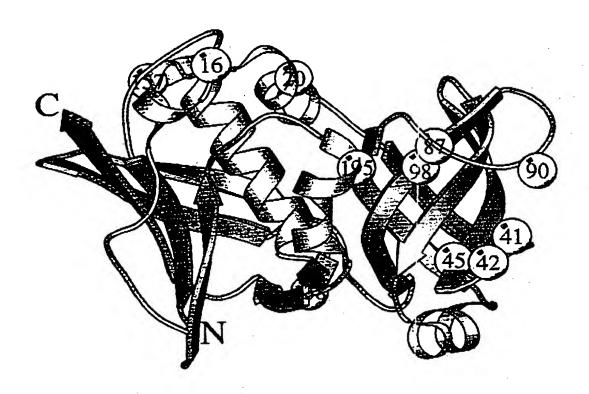


<u>ngangan nagupg</u>

<u>noznazo necuja</u>

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Domain A

Domain B

Fig 13